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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/635,265	08/06/2003	John D. York	180/158/2	1379	
25297 7	590 04/06/2006		EXAM	EXAMINER	
JENKINS, WILSON & TAYLOR, P. A. 3100 TOWER BLVD			WALICKA, MALGORZATA A		
SUITE 1200			ART UNIT	PAPER NUMBER	
DURHAM, NC 27707			1652		
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DATE MAILED: 04/06/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)				
	10/635,265	YORK ET AL.				
Office Action Summary	Examiner	Art Unit				
	Malgorzata A. Walicka	1652				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 1 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.  - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).						
Status						
3) Since this application is in condition for allowan	action is non-final. ace except for formal matters, pro					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) ⊠ Claim(s) 1-64 is/are pending in the application. 4a) Of the above claim(s) 1-17 and 30-64 is/are 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) 18-29 are subject to restriction and/or						
Application Papers						
9) The specification is objected to by the Examiner.						
10)☐ The drawing(s) filed on is/are: a)☐ accepted or b)☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>						
Attachment(s)	a>□	(DTO 442)				
<ol> <li>Notice of References Cited (PTO-892)</li> <li>Notice of Draftsperson's Patent Drawing Review (PTO-948)</li> <li>Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)         Paper No(s)/Mail Date     </li> </ol>	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal Pa					

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The Response to Restriction Requirement filed Jan. 13, 2006 is acknowledged. Applicants elected Group III, claims 18-29, drawn to a method for identifying a compound that modulates activity of a sulfur assimilation pathway enzyme in vitro.

After reconsideration the claims of the elected group, a further restriction to one of the following inventions is required under 35 U.S.C. 121. The examiner regrets any inconvenience that may cause.

- Claim 18-20, 22, 24-29, all in part, and claim 21 in its entirety, drawn to a method for identifying a compound that modulates the activity of a ATP sulfurylase in vitro, classified in class 435, subclass 18.
- Claim 18-20, 22, 24-29, all in part, drawn to a method for identifying a compound that modulates the activity of APS kinase in vitro, classified in class 435, subclass 15.
- Claim 18-20, 22, 24-29, all in part, drawn to a method for identifying a compound that modulates the activity of a sulfotransferase in vitro, classified in class 435, subclass 15.
- IV Claim 18-20, 22, 24-29, all in part, drawn to a method for identifying a compound that modulates the activity of a PAPS reductase in vitro, classified in class 435, subclass 25.

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V Claim 18-20, 22, 24-29, all in part, drawn to a method for identifying a compound that modulates the activity of a PAP phosphatase in vitro, classified in class 435, subclass 21.

VI Claims 18-20, 22, 24-29 all in part and claim 23 in its entirety, drawn to a method for identifying a compound that modulates the activity of a bifunctional PAPS synthetase enzyme in vitro, classified in class 435, subclass 4.

Inventions I-VI are distinct because they are unrelated. The inventions are six methods of using six products which are six distinct enzymes having different structures and functions in the sulfur assimilation pathway. The methods are not disclosed as capable of use together because each of the method requires the use of a different polypeptide and its specific substrate.

Inventions I-VI are distinct for the reasons given above and have acquired a separate status in the art. Because of their recognized divergent subject matter and/or different classification, and necessity of search a different field of search (see MPEP § 808.02), restriction for examination purposes as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship

must be accompanied by a petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Malgorzata A. Walicka whose telephone number is (571) 272-0944. The examiner can normally be reached on Monday-Friday from 10:00 a.m. to 4:30 p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ponnathapura Achutamurthy, can be reached on (571) 272-0928. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

PONNATHAPU ACHUTAMURTHY SUPERVISORY PATENT EXAMINER TECHECLORY DENTER 1809

Malgorzata A. Walicka, Ph.D. Art Unit 1652 Patent Examiner